

Characterization of hydrogen in basaltic materials with laser-induced breakdown spectroscopy (LIBS) for application to MSL ChemCam data

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Additional Supporting Information (Files uploaded separately)

CSV files of thermogravimetric analysis (TGA) measurements (35)
CSV files (872) of LIBS data for 194 pelletized and 11 rock chip samples
TXT file describing file types and data structure

Introduction

Additional information regarding the prepared mixtures used is included in the main in Table 1 including the labeling key (last column) and year measured (second to last column). Also included as separate CSV files are the data collected at Caltech using the Thermogravimetric Analysis (TGA) instrument and the processed (processing steps described in main text Section 2.2) data collected at LANL using the LIBS instrument of pelletized and rock chip samples. We also include a README file describing the supplementary data files.